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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,019	11/24/2003	Greg N. Brandt	24066-RE	3981
23589	7590	01/17/2006		
HOVEY WILLIAMS LLP 2405 GRAND BLVD., SUITE 400 KANSAS CITY, MO 64108			EXAMINER BARRETT, SUZANNE LALE DINO	
			ART UNIT 3676	PAPER NUMBER
DATE MAILED: 01/17/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/721,019	BRANDT, GREG N.	
	Examiner	Art Unit	
	Suzanne Dino Barrett	3676	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 09 November 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-11, 13, 16-19 is/are allowed.
- 6) ☒ Claim(s) 12 and 14 is/are rejected.
- 7) ☒ Claim(s) 15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Reissue Applications*

#### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 14 is rejected under 35 U.S.C. 102(b) as being anticipated by France 1,533,953. France '953 teaches a cylinder lock comprising a keyway, spring biased cylindrical pin tumblers 10/11 and an elongated hollow slot 14 radially spaced from and parallel to the keyway with a secondary lock bar 15 reciprocally mounted in the slot and spring biased 17. The lock bar having an end portion to be engaged by a key protruding surface 23a. The key 19 is provided with distal and proximal ends, a pair of side edges and side margins with one of the side margins comprising the protruding portion 23a.
3. Claim 14 is further rejected under 35 U.S.C. 102(b) as being anticipated by German reference DE 2,828,343. DE '343 a cylinder lock comprising a keyway, spring biased cylindrical pin tumblers 106/108 and elongated hollow slot 10 radially spaced from and parallel to the keyway with a secondary lock bar 12 reciprocally mounted in the slot and spring biased 14. The lock bar comprising an end portion to be engaged by a key protruding surface 32. The key 28 is provided with distal and proximal ends, a pair

Art Unit: 3676

of side edges and side margins with one of the side margins comprising the protruding portion 32.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over either Spain 2,690,070 in view of Ku et al 3,431,102. Spain teaches a cylinder lock comprising a keyway 27, tumblers and an elongated hollow slot 40 radially spaced from and parallel to the keyway 27 with a secondary lock bar 39 reciprocally mounted in the slot and spring biased 41. The lock bar comprising a transversely protruding portion 46 to be engaged by a key protruding surface 45. The key (K) is provided with distal and proximal ends, a pair of side edges and side margins with one of the side margins (the top portion of the key as shown in Fig.8) comprising the protruding portion 45. It is clearly shown in Figure 8 that the key protruding surface does not extend beyond the side margins. Spain '070 fails to provide the lock bar with a hollow chamber for the spring. Ku et al teach a cylinder lock comprising a lock bar 15 having a hollow chamber 14 at one end for receiving a spring member 16. It would have been obvious to one of ordinary skill in the art to modify the lock bar and spring arrangement of Spain to

Art Unit: 3676

provide a hollow chamber for housing the spring as taught by Ku et al as an obvious matter of design choice in enhancing the mounting of the spring to the lock bar.

***Allowable Subject Matter***

6. Claim 1-11, 13, 16-19 are allowed.
7. Claim 15 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Response to Arguments***

8. Applicant's arguments filed 11/9/05 have been fully considered but they are not persuasive. The Spain '070, DE '343 and France '953 references are still deemed to teach the invention set forth in claims 12 and 14 as discussed above. With respect to the rejection in view of Spain, claim 12 does not include the new limitation of "spring biased cylindrical tumbler pins", therefore, the Spain reference is still applicable. With respect to claim 14, the previously applied rejections in view of DE '343 and France '953 are still applicable, since these references teach the newly added limitation of "spring biased cylindrical pin tumblers. Accordingly, claims 12 and 14 stand finally rejected.

***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

Art Unit: 3676

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suzanne Dino Barrett whose telephone number is 571-272-7053. The examiner can normally be reached on M-Th 8:30-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on 571-272-6843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3676

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Suzanne Dino Barrett  
Primary Examiner  
Art Unit 3676

sdb